



ENVIRONMENTAL SERVICES DEPARTMENT

AIR QUALITY DIVISION

1001 N Central Ave., Suite 200

Phoenix, Arizona 85004

TITLE V AIR QUALITY OPERATING PERMIT

Permit Number: V99-012

Issue Date: 1/13/2000

Expiration Date: 1/13/2005

Permittee Name: Super Radiator Coils

Mailing Address: 2610 S. 21st. St., Phoenix, AZ 85034

Business Name: Super Radiator Coils

Facility Address: 2610 S. 21st. St., Phoenix, AZ 85034

Equipment and Processes Covered: See attached list

This Permit is issued in accordance with Maricopa County Air Pollution Control Regulations, Rule 200, §303, and Arizona Revised Statutes, §49-404c and §49-480.

The attached Permit Conditions are incorporated into and form an integral part of this Permit.

Al Brown, MPA, RS
Maricopa County Air Pollution Control Officer

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Permit Conditions
Permit Number V99-012
December 9, 1999

In accordance with Maricopa County Air Pollution Control Rules and Regulations (Rules), Rule 210 § 302.2, all Conditions of this Permit are federally enforceable unless they are identified as being locally enforceable only. However, any Permit Condition identified as locally enforceable only will become federally enforceable if, during the term of this Permit, the underlying requirement becomes a requirement of the Clean Air Act (CAA) or any of the CAA's applicable requirements.

All federally enforceable terms and conditions of this Permit are enforceable by the Administrator of the United States Environmental Protection Agency (Administrator or Administrator of the USEPA hereafter) and citizens under the CAA.

Any cited regulatory paragraphs or section numbers refer to the version of the regulation that was in effect on the first date of public notice of the applicable Permit Condition unless specified otherwise.

GENERAL CONDITIONS:

1. **AIR POLLUTION PROHIBITED:** [County Rule 100 §301] [SIP Rule 3]
No person shall discharge from any source whatever into the atmosphere regulated air pollutants which exceed in quantity or concentration that specified and allowed in the County or SIP Rules, the Arizona Administrative Code (AAC) or the Arizona Revised Statutes (ARS), or which cause damage to property or unreasonably interfere with the comfortable enjoyment of life or property of a substantial part of a community, or obscure visibility, or which in any way degrade the quality of the ambient air below the standards established by the Maricopa County Board of Supervisors or the Director of the Arizona Department of Environmental Quality (ADEQ).
2. **CIRCUMVENTION:** [County Rule 100 §104] [40 CFR 60.12] [40 CFR 63.4]
A person shall not build, erect, install, or use any article, machine, equipment, condition, or any contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, conceals or dilutes an emission which would otherwise constitute a violation of this Permit or any Rule or any emission limitation or standard. No person shall circumvent the requirements concerning dilution of air contaminants by using more emission openings than is considered normal practice by the industry or activity in question.
3. **CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS:** [County Rule 210 §§301.7, 302.1 e (1), 305.1(c)(1) & 305.1e]
Any application form, report, or compliance certification submitted pursuant to the County Rules or these Permit Conditions shall contain certification by a responsible official of truth, accuracy, and completeness of the application as of the time of submittal. This certification and any other certification required pursuant to the County Rules or these Permit Conditions shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
4. **COMPLIANCE:**
 - A. **COMPLIANCE REQUIRED:**
 - 1) The Permittee must comply with all conditions of this permit and with all applicable requirements of Arizona air quality statutes and the air quality rules. Compliance with permit

terms and conditions does not relieve, modify, or otherwise affect the Permittee's duty to comply with all applicable requirements of Arizona air quality statutes and the Maricopa County Air Pollution Control Regulations. Any permit non-compliance is grounds for enforcement action; for a permit revocation and reissuance, or revision; or for denial of a permit renewal application. Noncompliance with any federally enforceable requirement in this Permit constitutes a violation of the Act. [federally enforceable if the condition or requirement itself is federally enforceable and only locally enforceable if the condition or requirement itself is locally enforceable only]

[County Rule 210 §§301.8 b 4 & 302.1 h (1)]

- 2) The Permittee shall halt or reduce the permitted activity in order to maintain compliance with applicable requirements of Federal laws, Arizona laws, the County Rules, or other conditions of this Permit.

[County Rule 210 §302.1 h (2)]

- 3) For any major source operating in a nonattainment area for any pollutant(s) for which the source is classified as a major source, the source shall comply with reasonably available control technology (RACT) as defined in County Rule 100.

[County Rule 210 §302.1 (h) (6)] [SIP Rule 220 §302.1]

Compliance with the RACT requirements of this Permit Condition for NO_x shall not be required if a waiver granted by the Administrator under Section 182 (f) of the Clean Air Act is in effect.

B. COMPLIANCE CERTIFICATION REQUIREMENTS:

[County Rule 210 §305.1 d]

The Permittee shall file a semiannual compliance certification with the Control Officer and also with the Administrator of the USEPA. The report shall certify compliance with the terms and conditions contained in this Permit, including emission limitations, standards, or work practices. The certification shall be on a form supplied or approved by the Control Officer and shall include each of the following:

- 1) The identification of each term or condition of the permit that is the basis of the certification;
- 2) The compliance status;
- 3) Whether compliance was continuous or intermittent;
- 4) The method(s) used for determining the compliance status of the source, currently and over the reporting period; and
- 5) Other facts as the Control Officer may require to determine the compliance status of the source.

The semiannual certification shall be filed at the same time as the semiannual monitoring report required by the Specific Condition section of these Permit Conditions.

C. COMPLIANCE PLAN:

County Rule 210 §305.1g]

Based on the certified information contained in the application for this Permit, the facility is in compliance with all applicable requirements in effect as of the release date of the proposed conditions for this Permit. The Permittee shall continue to comply with all applicable requirements and shall meet any applicable requirements that may become effective during the term of this permit on a timely basis. [federally enforceable if the applicable requirement itself is federally enforceable and only locally enforceable if the applicable requirement itself is locally enforceable only]

5. CONFIDENTIALITY CLAIMS:

[County Rules 100 §402 and 200 §411]

Any records, reports or information obtained from any person pursuant to the County Rules or this Permit shall be available to the public, unless the person files a claim of confidentiality in accordance with ARS §49-487(c) which:

- A. precisely identifies the information in the permit(s), records, or reports which is considered confidential, and
- B. provides sufficient supporting information to allow the Control Officer to evaluate whether such information satisfies the requirements related to trade secrets or, if applicable, how the information, if disclosed, could cause substantial harm to the person's competitive position.
The claim of confidentiality is subject to the determination by the Control Officer as to whether the claim satisfies the claim for trade secrets.

A claim of confidentiality shall not excuse a person from providing any and all information required or requested by the Control Officer and shall not be a defense for failure to provide such information.

A source that has submitted information with an application under a claim of confidentiality pursuant to ARS 49-487 and County Rule 200 shall submit a copy of such information directly to the Administrator of the USEPA.

[County Rule 210 §301.5]

6. CONTINGENT REQUIREMENTS:

NOTE: This Permit Condition covers activities and processes addressed by the Clean Air Act which may or may not be present at the facility. This condition is intended to meet the requirements of both Section 504(a) of the 1990 Amendments to the CAA which requires that Title V permits contain conditions necessary to assure compliance with applicable requirements of the Act as well as the Acid Rain provisions required to be in all Title V permits.

- A. ACID RAIN: [County Rule 210 §§302.1b(2) & 302.1f]
 - 1). Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated pursuant to Title IV of the CAA and incorporated pursuant to County Rule 371, both provisions shall be incorporated into this Permit and shall be enforceable by the Administrator.
 - 2) The Permittee shall not allow emissions exceeding any allowances that the source lawfully holds pursuant to Title IV of the CAA or the regulations promulgated thereunder and incorporated pursuant to County Rule 371.
 - a) No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program and incorporated pursuant to County Rule 371, provided that such increases do not require a permit revision pursuant to any other applicable requirement.
 - b) No limit is placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to non-compliance with any other applicable requirement.
 - c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated pursuant to Title IV of the CAA.
 - d) All of the following prohibitions apply to any unit subject to the provisions of Title IV of the CAA and incorporated into this Permit pursuant to County Rule 371:
 - (1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners or operators of the unit or the designated representative of the owners or operators.
 - (2) Exceedances of applicable emission rates.
 - (3) The use of any allowance prior to the year for which it was allocated.
 - (4) Violation of any other provision of the permit.

- B. ASBESTOS: [40 CFR 61, Subpart M] [County Rule 370 §301.8 - locally enforceable only]
The Permittee shall comply with the applicable requirements of Sections 61.145 through 61.147 of the National Emission Standard for Asbestos and County Rule 370 for all demolition and renovation projects.

C. **RISK MANAGEMENT PLAN (RMP):** [40 CFR 68]
Should this stationary source, as defined in 40 CFR 68.3, be subject to the accidental release prevention regulations in Part 68, then the Permittee shall submit an RMP by the date specified in Section 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual compliance certification as required by 40 CFR Part 70. However, neither the RMP nor modifications to the RMP shall be considered to be a part of this Permit.

D. **STRATOSPHERIC OZONE PROTECTION:** [40 CFR 82 Subparts E, F, and G]
If applicable, the Permittee shall follow the requirements of 40CFR 82.106 through 82.124 with respect to the labeling of products using ozone depleting substances.

If applicable, the Permittee shall comply with all of the following requirements with respect to recycling and emissions reductions:

- 1) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- 2) Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR 82.158.
- 3) Persons performing maintenance, service, repair, or disposal of appliances must be certified by a certified technician pursuant to 40 CFR 82.161.

If applicable, the Permittee shall follow the requirements of 40CFR Subpart G, including all Appendices, with respect to the safe alternatives policy on the acceptability of substitutes for ozone-depleting compounds.

7. DUTY TO SUPPLEMENT OR CORRECT APPLICATION: [County Rule 210 §301.6]

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a proposed permit.

8. EMERGENCY EPISODES: [County Rule 600 §302] [SIP Rule 72 e, f & g]

If an air pollution alert, warning, or emergency has been declared, the Permittee shall comply with any applicable requirements of County Rule 600 §302

9. EMERGENCY PROVISIONS: [County Rule 100 §501]

An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the requirements of this Permit Condition are met.

The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted source was at the time being properly operated;

- C. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in this permit; and
- D. The Permittee as soon as possible telephoned the Control Officer giving notice of the emergency and submitted notice of the emergency to the Control Officer by certified mail or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of County Rule 210. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

This provision is in addition to any emergency or upset provision contained in any applicable requirement.

10. EXCESS EMISSIONS: [County Rule 100 §502 - locally enforceable only]

NOTES: This Permit Condition is based on a County Rule which has not been adopted into the State Implementation Plan and is therefore applicable only at the County level.

There are reporting requirements associated with excess emissions. These requirements are contained in the Reporting section of the General Permit Conditions in a subparagraph called Excess Emissions.

- A. Emissions in excess of an applicable emission limitation contained in the Rules or in these Permit Conditions shall constitute a violation. For all situations that constitute an emergency as described in Rule 100 §501, the affirmative defense and reporting requirements contained in Rule 100 §501 shall apply. In all other circumstances, it shall be an affirmative defense if the owner or operator of the source has complied with the reporting requirements of Rule 100 §502.3 and these Permit Conditions in a timely manner and has demonstrated all of the following:
 - 1) The excess emissions resulted from a sudden and unavoidable breakdown of the process or the control equipment, resulted from unavoidable conditions during startup or shutdown, resulted from unavoidable conditions during an upset of operations, or that greater or more extended excess emissions would result unless scheduled maintenance is performed;
 - 2) The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;
 - 3) Where repairs were required, such repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded and off-shift labor and overtime were utilized where practical to insure that such repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the owner or operator satisfactorily demonstrated that such measures were impractical;
 - 4) The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;
 - 5) All feasible steps were taken to minimize the impact of the excess emissions on potential violations of ambient air quality standards;
 - 6) The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and
 - 7) During the period of excess emissions, there were no measured violations of the ambient air quality standards established in Rule 510 which could be attributed to the emitting source.
- B. It shall be the burden of the owner or operator of the source to demonstrate, through submission of the data and information required by Rule 100 §502 and these Permit Conditions that all reasonable and practicable measures within the owner or operator's control were implemented to prevent the occurrence of excess emissions.

11. FEES: [County Rules 200 §409; 210 §302.1i; 210 §401]

The Permittee shall pay fees to the Control Officer pursuant to ARS 49-480(D) and County Rule 280.

12. MODELING: [locally enforceable only] [County Rule 200 §407]

Where the Control Officer requires a person to perform air quality impact modeling, the modeling shall be performed in a manner consistent with the "Guideline on Air Quality Models (Revised)" (EPA-450/2-78-027R, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, N.C. 27711, July 1986) and "Supplement B to the Guideline on Air Quality Models" (U.S. Environmental Protection Agency, September 1990). Both documents shall be referred to hereinafter as "Guideline," and are adopted by reference. Where the person can demonstrate that an air quality impact model specified in the guideline is inappropriate, the model may be modified or another model substituted if found to be acceptable to the Control Officer.

13. MONITORING / TESTING:

The Permittee shall monitor, sample, or perform other studies to quantify emissions of regulated air pollutants or levels of air pollution that may reasonably be attributable to the facility if required to do so by the Control Officer, either by Permit or by order.

[County Rule 200 §309]

Except as otherwise specified in these Permit Conditions or by the Control Officer, required testing used to determine compliance with standards or permit conditions established pursuant to the County or SIP Rules or these Permit Conditions shall be conducted in accordance with County Rule 270 and the applicable testing procedures contained in the Arizona Testing Manual for Air Pollutant Emissions or other approved USEPA test methods.

[County Rule 200 §408 & County Rule 270]

Equivalent test methods and procedures may be used in lieu of those described in this paragraph if approved by the Control Officer

[County Rule 270 §402]

The owner or operator of a permitted source shall provide, or cause to be provided, performance testing facilities as follows:

- A. Sampling ports adequate for test methods applicable to such source.
- B. Safe sampling platform(s).
- C. Safe access to sampling platforms(s).
- D. Utilities for sampling and testing equipment.

[County Rule 270 §405]

14. PERMITS:

- A. BASIC: [County Rule 210 §302.1 h (3)]

This Permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

- B. PERMITS AND PERMIT CHANGES, AMENDMENTS AND REVISIONS:

[County Rule 200 §§301 & 308]

[County Rule 210 §§301.4a, b, & c, and 400]

The Permittee shall comply with the Administrative Requirements of Section 400 of County Rule 210 for all changes, amendments and revisions at the facility for any source subject to regulation under County Rule 200, shall comply with all required time frames, and shall obtain any required preapproval from the Control Officer before making changes. All applications shall be filed in the manner and form prescribed by the Control Officer. The application shall contain all the information necessary to enable the Control Officer to make the determination to grant or to deny a permit or permit revision including information listed in County Rule 200 §308 and County Rule 210 §§301 & 302.3.

The Permittee shall supply a complete copy of each application for a permit, a minor permit revision, or a significant permit revision directly to the Administrator of the USEPA. The Control

Officer may require the application information to be submitted in a computer-readable format compatible with the Administrator's national database management system.

[County Rule 210 §§303.1(a), 405.4, & 406.4]

The Control Officer may with reasonable cause require the applicant to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 §301.4f]

No permit revision shall be required pursuant to any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

[County Rule 210 §302.1j]

C. POSTING:

Any person who has been granted a permit shall keep a complete permit clearly visible and accessible on the site where the equipment is installed.

[County Rule 200 §311]

If a Dust Control Plan, as required by Rule 310, has been approved as a part of this Permit, a copy of the latest approved Dust Control Plan must be posted in a conspicuous site at the worksite, within on-site equipment, in an on-site vehicle, or otherwise kept readily available on site at all times.

[County Rule 310 §402]

D. PROHIBITION ON PERMIT MODIFICATION:

[County Rule 200 §310]

A person shall not willfully deface, alter, forge, counterfeit, or falsify this permit.

E. RENEWAL:

[County Rule 210 §§ 301 & 302]

The Permittee shall submit an application for the renewal of this Permit in a timely and complete manner. For purposes of permit renewal, a timely application is one that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. A complete application shall contain all of the information required by the County Rules including Rule 200 §308 and Rule 210 §§301 & 302.3.

[County Rule 210 §§301.2a and 301.4a, b, c, d, h]

All permit applications shall be filed in the manner and form prescribed by the Control Officer. To apply for a permit renewal, applicants shall complete the "Standard Permit Application Form" and shall supply all information, including the information required by the "Filing Instructions" as shown in Appendix B of the County Rules, which is necessary to enable the Control Officer to make the determination to grant or to deny a permit which shall contain such terms and conditions as the Control Officer deems necessary to assure a source's compliance with the requirements of the County Rules.

[County Rule 200 §§308 & 309] [County Rule 210 §301.1]

The Control Officer may with reasonable cause require the applicant to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 § 301.4f]

If a timely and complete application for a permit renewal is submitted, but the Control Officer has failed to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the renewal permit has been issued or denied. This protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit, by the deadline specified by the Control Officer, any additional information identified as being needed to process the application.

[County Rules 200 §403.2 and 210 §§301.4f and 301.9]

F. REVISION / REOPENING / REVOCATION:

- 1) This permit shall be reopened and revised to incorporate additional applicable requirements adopted by the Administrator pursuant to the CAA that become applicable to the facility if this permit has a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this Permit is due to expire unless the original permit or any of its terms have been extended pursuant to Rule 200 §403.2. [County Rules 200 §402.1]

Any permit revision required pursuant to this paragraph shall reopen the entire permit and shall comply with provisions in County Rule 200 for permit renewal (*Note: this includes a facility wide application and public comment on the entire permit*) and shall reset the five year permit term. [County Rules 200 §402.1a(1) & 210 §302.5, is locally enforceable only, and would apply if the permit is reopened and revised under this paragraph by the Control Officer.]

Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall effect only those parts of the Permit for which cause to reopen exists. [40CFR 70.7(f)(2) and would apply if the permit is reopened and revised under this paragraph by the Administrator]

- 2) This permit shall be reopened and revised under any of the following circumstances:
- a) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the Title V permit. [County Rule 200 §402.1]
 - b) The Control Officer or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit. [County Rule 200 §402.1]
 - c) The Control Officer or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [County Rule 200 §402.1]

Proceedings to reopen and issue a permit under subparagraphs a), b), or c) of this subsection shall follow the same procedures as apply to initial permit issuance and shall effect only those parts of the Permit for which cause to reopen exists.

[County Rule 200 §402.1]

- 3) In addition, this permit shall be reopened by the Control Officer and any permit shall be revised, when it is determined that standards or conditions in the permit are based on incorrect information provided by the applicant. [County Rule 210 §407.3]
- 4) This Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Permit revision, revocation and reissuance, or termination or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

[County Rule 210 §302.1 h (3)]

G. REVISION PURSUANT TO A FEDERAL HAZARDOUS AIR POLLUTANT STANDARD:

[locally enforceable only] [County Rule 210 §301.2c]

If the Permittee becomes subject to a standard promulgated by the Administrator pursuant to Section 112(d) of the CAA, the Permittee shall, within 12 months of the date on which the standard is promulgated, submit an application for a permit revision demonstrating how the source will comply with the standard.

H. REQUIREMENTS FOR A PERMIT:

Except as noted pursuant to the provisions in Sections 403 and 405 of County Rule 210, no source may operate after the time that it is required to submit a timely and complete application, except in compliance with a permit issued pursuant to County Rule 210. Permit expiration terminates the Permittee's right to operate. However, if a source submits a timely and complete application, as defined in County Rule 210 §301, for permit issuance, revision, or renewal, the source's failure to have a permit is not a violation of the County Rules until the Control Officer takes final action on the application. The Source's ability to operate without a permit as set forth in this paragraph shall be in effect from the date the application is determined to be complete until the final permit is issued. This protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit, by the deadline specified in writing by the Control Officer, any additional information identified as being needed to process the application. If a source submits a timely and complete application for a permit renewal, but the Control Officer has failed to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the permit renewal has been issued or denied.

[County Rule 210 §301.9]

No person shall commence any earth moving operation or any dust generating operation without meeting the requirements of and obtaining any and all Earth Moving Equipment Permits and Permits to Operate required by County Rule 200. The provisions of this section shall not apply:

- 1) During emergency, life threatening situations or in conjunction with any officially declared disaster or state of emergency;
- 2) To operations conducted by essential service utilities to provide electricity, natural gas, oil and gas transmission, cable television, telephone, water, and sewerage during service outages and emergency disruptions;
- 3) To non-routine or emergency maintenance of flood control channels and water retention basins.
- 4) To vehicle test and development facilities and operations when dust is required to test and validate design integrity, product quality and/or commercial acceptance. Such facilities and operations shall be exempted from the provisions of this section only if such testing is not feasible within enclosed facilities.

[County Rule 310 §302] [SIP Rule 310 §302]

The Permittee shall obtain a Permit To Burn from the Control Officer before conducting any open outdoor fire except for the activities listed in County Rule 314 §§302.1 and 302.2.

[County Rules 314 & 200 §306] [SIP Rule 314]

I. RIGHTS AND PRIVILEGES:

[County Rule 210 §302.1 h (4)]

This Permit does not convey any property rights nor exclusive privilege of any sort.

J. SEVERABILITY:

[County Rule 210 §302.1g]

The provisions of this Permit are severable, and, if any provision of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

K. SCOPE:

The issuance of any permit or permit revision shall not relieve the owner or operator from compliance with any Federal laws, Arizona laws, or the County or SIP Rules, nor does any other law, regulation or permit relieve the owner or operator from obtaining a permit or permit revision required under the County Rules.

[County Rule 200 §308] [SIP Rule 22H]

Nothing in this permit shall alter or affect the following:

- 1) The provisions of Section 303 of the Act, including the authority of the Administrator pursuant to that section.

- 2) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance.
- 3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act.
- 4) The ability of the Administrator of the USEPA or of the Control Officer to obtain information from a source pursuant to Section 114 of the Act, or any provision of State law.
- 5) The authority of the Control Officer to require compliance with new applicable requirements adopted after the permit is issued. [locally enforceable only]

[County Rule 210 §407.2]

L. TERM OF PERMIT: [County Rule 210 §§302.1a & 402]

This Permit shall remain in effect for no more than 5 years from the date of issuance.

M. TRANSFER: [County Rule 200 §404]

Except as provided in ARS 49-429 and County Rule 200, this permit may be]transferred to another person if the person who holds the permit gives notice to the Control Officer in writing at least 30 days before the proposed transfer and complies with the permit transfer requirements of County Rule 200 and the administrative permit amendment procedures pursuant to County Rule 210.

15. RECORDKEEPING:

A. RECORDS REQUIRED: [County Rule 100 §503]

The owner or operator of any air pollution source shall maintain records of all emissions testing and monitoring, records detailing all malfunctions which may cause any applicable emission limitation to be exceeded, records detailing the implementation of approved control plans and compliance schedules, records required as a condition of any permit, records of materials used or produced and any other records relating to the emission of air contaminants which may be requested by the Control Officer.

B. RETENTION OF RECORDS:

Information and records required by the Control Officer or these Permit Conditions as well as copies of summarizing reports recorded by the owner or operator and submitted to the Control Officer shall be retained by the owner or operator for five years after the date on which the pertinent report is submitted.

[County Rule 100 §506]

Records of all required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or physical records for continuous monitoring instrumentation, and copies of all reports required by the permit.

[County Rule 210 §§302.1 d (2) and 305.1 b (2)]

C. MONITORING RECORDS: [County Rule 210 §§302.1 d (1) and 305.1 b (1)]

Records of any monitoring required by this Permit shall include the following:

- 1) The date, place as defined in the permit, and time of sampling or measurements;
- 2) The date(s) analyses were performed;
- 3) The company or entity that performed the analyses;
- 4) The analytical techniques or methods used;
- 5) The results of such analyses; and
- 6) The operating conditions as existing at the time of sampling or measurement

D. RIGHT OF INSPECTION OF RECORDS: [County Rule 100 §106]

When the Control Officer has reasonable cause to believe that any person has violated or is in violation of any provision of County Rule 100 or any County Rule adopted pursuant to County Rule

100, or any requirement of this permit, the Control Officer may request, in writing, that such person produce all existing books, records, and other documents evidencing tests, inspections, or studies which may reasonably relate to compliance or noncompliance with County Rules adopted pursuant to County Rule 100. No person shall fail nor refuse to produce all existing documents required in such written request by the Control Officer.

16. REPORTING:

NOTE: See the Permit Condition titled Certification Of Truth, Accuracy and Completeness in conjunction with reporting requirements.

A. ANNUAL EMISSION INVENTORY QUESTIONNAIRE: [County Rule 100 §507]

Upon request of the Control Officer and as directed by the Control Officer, the Permittee shall complete and shall submit to the Control Officer an annual emissions inventory report. The report is due by April 30 or 90 days after the Control Officer makes the inventory form(s) available, whichever occurs later.

The annual emissions inventory report shall be in the format provided by the Control Officer.

The Control Officer may require submittal of supplemental emissions inventory information forms for air contaminants pursuant to Arizona Revised Statutes (ARS) §49-476.01, ARS §49-480.03 and ARS §49-480.04.

B. DATA REPORTING: [County Rule 100 §504]

When requested by the Control Officer, a person shall furnish to the Maricopa County Air Quality Division (Division hereafter) information to locate and classify air contaminant sources according to type, level, duration, frequency and other characteristics of emissions and such other information as may be necessary. This information shall be sufficient to evaluate the effect on air quality and compliance with the County or SIP Rules. The owner or operator of a source requested to submit information pursuant to this Permit may subsequently be required to submit annually, or at such intervals specified by the Control Officer, reports detailing any changes in the nature of the source since the previous report and the total annual quantities of materials used or air contaminants emitted.

C. DEVIATION REPORTING:

[County Rules 100 §501.3d & 210 §§302.1 e & 305.1(c)]

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions. Unless specified otherwise elsewhere in these Permit Conditions, an upset for the purposes of this Permit Condition shall be defined as the operation of any process, equipment or air pollution control device outside of either its normal design criteria or operating conditions specified in this Permit and which results in an exceedance of any applicable emission limitation or standard. The report shall be submitted to the Control Officer by certified mail, facsimile, or hand delivery within two working days of the knowledge of the deviation and shall contain a description of the probable cause of such deviations, and any corrective actions or preventive measures taken. In addition, the Permittee shall report within a reasonable time of any long term corrective actions or preventative actions taken as the result of any deviations from permit requirements.

All instances of deviations from the requirements of this Permit shall also be clearly identified in the semiannual monitoring reports required in the Specific Condition section of these Permit Conditions.

D. EMERGENCY REPORTING: [County Rule 100 §501]

(NOTE: Emergency Reporting is one of the special requirements which must be met by a Permittee wishing to claim an affirmative defense under the emergency provisions of Rule 100 §501. These provisions are listed earlier in these General Conditions in the section titled Emergency Provisions. Since it is a form of deviation reporting, the filing

of an emergency report also satisfies the requirement of Rule 210 to file a deviation report)

The Permittee shall, as soon as possible, telephone the Control Officer giving notice of the emergency and submitted notice of the emergency to the Control Officer by certified mail or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of County Rule 210. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

E. EMISSION STATEMENTS REQUIRED AS STATED IN THE ACT:

[County Rule 100 §505]

Upon request of the Control Officer and as directed by the Control Officer, the owner or operator of any source which emits or may emit oxides of nitrogen (NO_x) or volatile organic compounds (VOC) shall provide the Control Officer with an emission statement, in such form as the Control Officer prescribes, showing measured actual emissions or estimated actual emissions of NO_x and VOC from that source. At a minimum the emission statement shall contain all information contained in the "Guidance on Emission Statements" document as described in the USEPA's Aerometric Information Retrieval System (AIRS) Fixed Format Report (AFP 644). The statement shall contain emissions for the time period specified by the Control Officer. Statements shall be submitted annually. The Control Officer may waive this requirement for the owner or operator of any source which emits less than 25 tons per year of oxides of nitrogen or volatile organic compounds with an approved emission inventory for sources based on the USEPA's Compilation of Air Pollutant Emission Factors (AP-42) or other methodologies approved by the Administrator.

F. EXCESS EMISSIONS REPORTING: [locally enforceable only] [County Rule 100 §502]

(NOTE: This reporting subsection is associated with the requirements listed earlier in these General Conditions in the section titled Excess Emissions.)

1) Excess emissions shall be reported as follows:

- a) The Permittee shall report to the Control Officer any emissions in excess of the limits established either by the Rules or these Permit Conditions. The report shall be in two parts as specified below:
 - (1) Notification by telephone or facsimile within 24 hours of the time when the owner or operator first learned of the occurrence of excess emissions including all available information from paragraph F. 1) b) below of this Permit Condition.
 - (2) Detailed written notification within 72 hours of the telephone notification pursuant to paragraph F. 1) a) (1) above of this Permit Condition.
- b) The excess emissions report shall contain the following information:
 - (1) The identity of each stack or other emission point where the excess emissions occurred.
 - (2) The magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions.
 - (3) The time and duration or expected duration of the excess emissions.
 - (4) The identity of the equipment from which the excess emissions emanated.
 - (5) The nature and cause of such emissions.
 - (6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction.
 - (7) The steps that were or are being taken to limit the excess emissions. If this Permit contains procedures governing source operation during periods of startup or malfunction and the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the Permit procedures.

- 2) In the case of continuous or recurring excess emissions, the notification requirements of this section of this rule shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time

period or changes in the nature of the emissions as originally reported shall require additional notification pursuant to Rule 100 §502.3(a)(2).

G. OTHER REPORTING:

[County Rule 210 §302.1 h (5)]

The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing this permit, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by this Permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records directly to the Administrator along with a claim of confidentiality as covered elsewhere in these Permit Conditions.

17. RIGHT TO ENTRY AND INSPECTION OF PREMISES:

[County Rules 100 §105 and 210 §305.1f]

The Control Officer during reasonable hours, for the purpose of enforcing and administering County Rules, or any provision of the Arizona Revised Statutes relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. Every person is guilty of a petty offense pursuant to ARS §49-488 who in any way denies, obstructs or hampers such entrance or inspection that is lawfully authorized by warrant.

The Permittee shall allow the Control Officer or his authorized representative, upon presentation of proper credentials and other documents as may be required by law, to:

- A. Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records are required to be kept pursuant to the conditions of the permit;
- B. Have access to and copy, at reasonable times, any records that are required to be kept pursuant to the conditions of the permit;
- C. Inspect, at reasonable times, any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;
- D. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and
- E. To record any inspection by use of written, electronic, magnetic, and photographic media.

[Locally enforceable only]

18. EMISSIONS LIMITATIONS

A. Allowable Emissions

The Permittee shall not allow overall emissions from the facility to be emitted into the atmosphere in excess of any of the following limits:

Pollutant	Daily Emission Limits (lbs/day)	Rolling Twelve Month Total Allowable Emission* (tons/year)
Carbon Monoxide (CO)	3	0.55
Oxides of Nitrogen (NOx)	10	1.83
Total of all Volatile Organic Compounds (VOC's)	1	0.18
Particulate Matter 10 microns and smaller (PM10)	2	0.37
Perchloroethylene	310	46.4

* For the purpose of these Permit Conditions the rolling twelve month total emission shall be calculated monthly using the data from the most recent twelve calendar months.

[County Rule 210 §302.1 b.]

The allowable emission limitations of these Permit Conditions are based upon the facility as presently constructed and operated. They do not provide for facility changes or changes in the method of operation that would otherwise trigger applicable requirements including New Source Review or Best Available Control Technology.

B. Other Emissions Limitations

- 1) The Permittee shall limit the emission of particulate matter into the atmosphere from each of the boilers and the drying oven in accordance with the equation:

$$E = 1.02 Q^{0.769} \text{ where:}$$

E = the maximum allowable particulate emission rate in pounds-mass/hr,
and

Q = the heat output in million BTU/hr for each individual boiler and the drying oven.

[County Rule 311]
[SIP Rule 31]

[SIP Rule 311]

- 2) The Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of 20% opacity (40% opacity per SIP Rule 30).

[County Rule 300]

[SIP Rule 30]

- 3) The Permittee shall not emit gaseous or odorous air contaminants from equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution.

[County Rule 320 §300]

[SIP Rule 32A]

- 4) The Permittee shall not discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one-hour period which is a shade or density darker than 20 percent opacity.

[County Rule 312 §301][locally enforceable only]

19. OPERATING REQUIREMENTS

Vapor Degreaser Equipment Design Requirements

A. The Permittee shall equip the solvent cleaning machine with:

- 1) a vessel: A leakfree container (degreaser, solvent cleaning machine) for the solvents and articles being cleaned.

[SIP Rule 331 §301]

- 2) a cover: An apparatus or non-porous cover which prevents the solvent from evaporating when not processing work in the solvent cleaning machine. The cover shall be impermeable and that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.

[SIP Rule 34 §C.2.(b)(1)]

The solvent cleaning machine shall be equipped with an idling and downtime mode cover that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects.

[40 CFR §63.463 (a)(1)(i)]

[County Rule 370]

- 3) solvent return: A facility for draining cleaned parts such that the drained solvent is returned to the container.

[SIP Rule 331 §301]

- 4) instructions: A permanent, conspicuous label which summarizes operating requirements listed in SIP Rule 331 Section 306.

[SIP Rule 34 §C.1.]

[SIP Rule 331 §301]

- 5) a vapor level control system.

[SIP Rule 331 §303]

- 6) a primary condenser.

[SIP Rule 331 §303]

B. The solvent cleaning machine shall be equipped with:

- 1) an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts,

[40 CFR §63.463 (a)(3)]

[County Rule 370]

[SIP Rule 331 §306.10 d.]

[SIP Rule 34 §C.1.(e)(4)]

- 2) a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils,

[40 CFR §63.463 (a)(4)]

[County Rule 370]

- 3) the following safety switches:

- a) a condenser flow switch and thermostat which shuts off the sump heat if the condenser coolant is not circulating or the coolant temperature exceeds 85°F, and

- b) a spray safety switch which shuts off the pump spray if the vapor level drops in excess of 4 inches.

[SIP Rule 34 §C.2.(b)(2)]

- 4) a primary condenser, and

[40 CFR §63.463 (a)(6)]

[County Rule 370]

- 5) a vapor level control device that shuts off sump heat if the vapor level in the solvent cleaning machine rises above the height of the primary condenser.

[40 CFR §63.463 (a)(5)]
[County Rule 370]

Vapor Degreaser Work Practice and Control Requirements

C. The Permittee shall employ the control combination of:

- 1) freeboard refrigeration device,
- 2) freeboard ratio of 1.0 (0.75 per SIP Rule 331 §303 and 40 CFR §63.463 (a)(2)) or greater, and
- 3) superheated vapor,

in accordance with 40 CFR Part 63 Subpart T - National Emission Standards for Halogenated Solvent Cleaning.

[40 CFR §63.463 (b)(2)]
[County Rule 370]
[SIP Rule 34 §B.1.]
[SIP Rule 34 §C.2.(b)(3)]
[SIP Rule 331 §303]

- D. The Permittee shall ensure that the freeboard refrigeration device chilled air blanket temperature (in degrees Fahrenheit °F), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point, but also not to exceed 105 °F. A thermometer or thermocouple shall be used to measure the temperature at the center of the air blanket during the idling mode.

[40 CFR §63.463 (e)(2)(i)]
[40 CFR §63.466 (a)(1)]
[County Rule 370]
[SIP Rule 331 §303.5 a.]

An exceedance has occurred if this requirement, other than the exceedance of 105 °F, has not been met and is not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning machine or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

[40 CFR §63.463 (e)(3)(ii)]
[County Rule 370]

- E. The Permittee shall control air disturbances across the cleaning machine opening(s). Cover(s) to the solvent cleaning machine shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.5]
[SIP Rule 34 §C.1.(b)]

- F. The Permittee shall not allow:

- 1) exhaust ventilation to exceed 65 cfm per ft² of solvent cleaning machine opening unless necessary to comply with industrial safety requirements,
- 2) comfort fans to be used near the solvent cleaning machine, and
- 3) visually detectable water in the organic solvent exiting the water separator.

[SIP Rule 331 §306.11]
[SIP Rule 34 §C.1.(i)]

- G. The Permittee shall not allow parts baskets or the parts being cleaned in the solvent cleaning machine to occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.

[40 CFR §63.463 (d)]
[County Rule 370]

- H. The Permittee shall not allow workloads to occupy more than half of the degreaser's open-top area. The workload shall not be so massive that the vapor level drops more than four inches when the workload is removed from the vapor zone.

[SIP Rule 331 §306.10 a,b.]

- I. The Permittee shall conduct any spraying operations within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine).

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.10 c.]
[SIP Rule 34 §B.2.]
[SIP Rule 34 §C.1.(f)]

If the Permittee uses a solvent spray system, only a continuous, undivided stream (not a fine, atomized, or shower type spray) at a pressure which does not exceed 10 psig or cause liquid solvent to splash outside of the solvent container shall be used.

[SIP Rule 331 §306.7]
[SIP Rule 34 §C.1.(f)]

- J. The Permittee shall orient parts so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine unless an equally effective approach has been approved by the Administrator.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.10 d.]
[SIP Rule 34 §C.1.(e)]

- K. The Permittee shall not remove parts baskets or parts from the solvent cleaning machine until dripping has stopped.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.10 d.]
[SIP Rule 34 §C.1.(e)(3)]

- L. During startup of the solvent cleaning machine the primary condenser shall be turned on before the sump heater.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.10 e.]

- M. During shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.10 e.]

- N. When solvent is added or drained from the solvent cleaning machine, the Permittee shall transfer solvent using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.2]

The solvent cleaning machine shall not be operated if solvent leaks occur.

[SIP Rule 34 §C.1.(c)]

- O. The Permittee shall maintain the solvent cleaning machine and associated controls as recommended by the manufacturers of the equipment or use alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.1]
[SIP Rule 34 §C.1.(a)]

- P. Each operator of the solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in Appendix B to these Permit Conditions if requested during an inspection by the Administrator and/or Control Officer.

[40 CFR §63.463 (d)]
[County Rule 370]

- Q. The Permittee shall insure all solvent storage, including the storage of waste solvent and waste solvent residues, shall at all times be in closed containers which are legibly labeled with their contents.

[SIP Rule 331 §306.3]
[SIP Rule 34 §C.1.(d)]

- R. The Permittee shall collect waste solvent, still bottoms, and sump bottoms and store in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.4]

- S. The Permittee shall not clean sponges, fabric, wood, and paper products in the solvent cleaning machine.

[40 CFR §63.463 (d)]
[County Rule 370]
[SIP Rule 331 §306.9]
[SIP Rule 34 §C.1.(g)]

- T. The Permittee shall:

- 1) ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10 deg. F above the solvent's boiling point. A thermometer or thermocouple shall be used to measure the

temperature at the center of the superheated solvent vapor zone during the idling mode.

[40 CFR §63.463 (e)(2)(vi)]
[40 CFR §63.466 (a)(2)]
[County Rule 370]

An exceedance has occurred if this requirement has not been met and is not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning machine degreaser or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

[40 CFR §63.463 (e)(3)(ii)]
[County Rule 370]

- 2) ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system is followed.

An exceedance has occurred if this requirement has not been met.

[40 CFR §63.463 (e)(2)(vi)]
[40 CFR §63.463 (e)(3)(i)]
[County Rule 370]

- 3) ensure that parts remain within the superheated vapor for at least the minimum proper dwell time.

[40 CFR §63.463 (e)(2)(vi)]
[County Rule 370]
[SIP Rule 331 §306.10 d.]

An exceedance has occurred if this requirement has not been met. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

[40 CFR §63.463 (e)(2)(vi)]
[40 CFR §63.463 (e)(3)(i)]
[County Rule 370]

- U. The Permittee shall perform solvent agitation, where necessary, through pump recirculation or by means of a mixer. The Permittee shall not use air agitation of the solvent bath.

[SIP Rule 331 §306.8]
[SIP Rule 34 §C.1.(h)]

Facility-Wide Operating Requirements

- V. The Permittee:

- 1) shall use only natural gas as fuel for the boilers and the drying oven,
- 2) and shall not operate the fuel burning equipment unless the natural gas feed line to the facility has a dedicated, non-resettable, flowmeter installed, and it is in good operating order.

[County Rule 210 §302.1 b.]
[County Rule 210 §305.1 a.(3)]

- W. The Permittee shall not vent any woodworking equipment outdoors unless it is vented, without bypass to a control device approved in writing by the Control Officer.

This requirement does not apply to any hand held equipment.

[County Rule 210 §302.1 b.]

- X. The Permittee shall not use any liquid materials containing more than 10 percent volatile organic compounds for the cleanup of equipment unless:

- 1) The used cleaning liquids are collected in a container which is closed when not in use and is disposed of in a manner such that volatile organic compounds are not emitted into the atmosphere, or
- 2) The equipment is disassembled and cleaned in a solvent vat which is closed when not in use.

[County Rule 330 § 305.1&2] [locally enforceable only]

- Y. The Permittee shall not store, discard, or dispose of VOC or VOC-containing material in a way intended to cause or to allow the evaporation of VOC to the atmosphere. Reasonable measures shall be taken to prevent such evaporation which include but are not limited to the following:

- 1) All materials from which VOC can evaporate, including fresh solvent, waste solvent and solvent-soaked rags and residues, shall be stored in closed containers when not in use; and
- 2) Such containers one gallon and larger shall be legibly labeled with their contents.

[County Rule 330 § 306.1&2] [locally enforceable only]

Determination of the organic solvent content and composition of a solvent or material shall be made as of the time that the solvent or material is in its final form for application or employment, notwithstanding any prior blending, reducing, thinning or other preparation for application or employment. Emissions resulting from air or heat drying of products for the first 12 hours after the removal from any machine, equipment, device or other article shall be included in determining compliance with these Permit Conditions.

[County Rule 330 § 502] [locally enforceable only]

- Z. The Permittee shall limit emissions of VOCs in accordance with County Rule 330 including the Rule's equipment cleanup, VOC containment, and VOC disposal requirements.

[County Rule 330] [locally enforceable only]

- AA. The Permittee shall utilize at least one of the following control measures for all abrasive blasting:

- 1) Confined blasting,
- 2) Wet abrasive blasting,
- 3) Hydroblasting.

[County Rule 312 §§302.1,2,3] [locally enforceable only]

- BB. The Permittee shall conduct all solvent wipe cleaning in accordance with County Rule 331.

[County Rule 331] [locally enforceable only]

- CC. The Permittee shall not apply any architectural coating manufactured after July 13, 1988, which is recommended for use as a bituminous pavement sealer unless it is an emulsion type coating.

[County Rule 335 § 301]
[SIP Rule 335 § 301]

- DD. The Permittee shall not apply any non-flat architectural coating manufactured after July 13, 1990, which contains more than 2.1 lbs (250 g/l) of volatile organic compounds per gallon of coating, excluding water and any colorant added to tint bases. These limits do not apply to specialty coatings listed in County Rule 335 § 305.

[County Rule 335 § 303]
[SIP Rule 335 § 303]

- EE. The Permittee shall not apply any flat architectural coating manufactured after July 13, 1989, which contains more than 2.1 lbs (250 g/l) of volatile organic compounds per gallon of coating, excluding water and any colorant added to tint bases. These limits do not apply to specialty coatings listed in County Rule 335 § 305.

[County Rule 335 § 304]
[SIP Rule 335 § 304]

- FF. The Permittee shall not allow specialty architectural coatings to be used at the facility unless the coatings comply with the VOC content limits of County Rule 335 §305.

[County Rule 335 § 304]
[SIP Rule 335 § 304]

GG. The following coatings are exempt from the architectural coating VOC limitations of these Permit Conditions:

- 1) Architectural coatings supplied in containers having capacities of one quart or less.
- 2) Architectural coatings recommended by the manufacturer for use solely as one or more of the following:
 - a) Below ground wood preservative coatings.
 - b) Bond breakers.
 - c) Fire retardant coatings.
 - d) Graphic arts coatings (sign paints)
 - e) Mastic texture coatings.
 - f) Metallic pigmented coatings.
 - g) Multi-colored paints.
 - h) Quick-dry primers, sealers and undercoaters.
 - i) Shellacs.
 - j) Swimming pool paints.
 - k) Tile-like glaze coatings.

[County Rule 335 §§ 306, 307]
[SIP Rule 335 §§ 306, 307]

HH. The Permittee shall not store architectural coatings in anything other than their original containers unless the requirements of Rule 335 §§ 401 and 402 are met.

[County Rule 335 §§ 401, 402]
[SIP Rule 335 §§ 401, 402]

II. The Permittee shall conduct spray coating with aerosol cans in accordance with County Rule 336. Coating with aerosol cans shall be exempt from subsection 301.1 and 301.2, and section 302 of County Rule 336.

[County Rule 336]

[SIP Rule 336]

- JJ. The Permittee shall comply with the applicable 40 CFR Part 63 Subpart A requirements as listed in the Code of Federal Regulations, 40 CFR Part 63 Subpart T, Appendix B To Subpart T, and Appendix C of these Permit Conditions.

[40 CFR §63.460]

[40 CFR §63 Subpart A]

[40 CFR §63 Subpart T]

[County Rule 370]

20. MONITORING/RECORDKEEPING REQUIREMENTS

- A. The Permittee shall monitor for compliance with the freeboard refrigeration device Operating Requirements of these Permit Conditions by recording the results on a weekly basis of the measured temperature at the center of the air blanket during the idling mode. A thermometer or thermocouple shall be used to measure the temperature.

[40 CFR §63.463 (e)]

[40 CFR §63.466 (a)(1)]

[County Rule 370]

- B. The Permittee shall monitor for compliance with the superheated vapor system Operating Requirements of these Permit Conditions by:

- 1) recording the results on a weekly basis of the measured temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode. A thermometer or thermocouple shall be used to measure the temperature.
- 2) maintaining a copy of manufacturer's specifications for determining the minimum proper dwell time for parts to remain within the superheated vapor system and insuring that the specifications are followed, and
- 3) recording on a weekly basis the amount of dwell time that a batch of parts remain within the superheated vapor.

[40 CFR §63.463 (e)]

[40 CFR §63.466 (a)(2)]

[County Rule 370]

- C. The Permittee shall monitor for compliance with the hoist speed Operating Requirements of these Permit Conditions by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the Permittee may begin monitoring the hoist speed quarterly.

If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

If an owner or operator can demonstrate to the Administrator's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

[40 CFR §63.466 (a)]
[40 CFR §63.466 (c)]
[County Rule 370]

D. The Permittee shall maintain the following records in written or electronic form for the lifetime of the solvent cleaning machine:

- 1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment,
- 2) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted, and
- 3) Records of the halogenated HAP solvent content for each solvent used in the solvent cleaning machine.

[40 CFR §63.467 (a)]
[County Rule 370]

E. The Permittee shall maintain the following records either in electronic or written form for a period of 5 years:

- 1) The results of control device monitoring required in the Monitoring Requirements of these Permit Conditions pertaining to:
 - a) freeboard refrigeration device Operating Requirements of these Permit Conditions,
 - b) superheated vapor system Operating Requirements of these Permit Conditions, and

- c) hoist speed Operating Requirements of these Permit Conditions.
[40 CFR §63.466]
[County Rule 370]
- 2) Information on the actions taken to comply with the Operating Requirements of these Permit Conditions pertaining to:
 - a) the freeboard refrigeration device,
 - b) the freeboard ratio, and
 - c) the superheated vapor system.

[40 CFR §63.467 (b)(2)]
[County Rule 370]

This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

[40 CFR §63.467 (b)(2)]
[County Rule 370]

- 3) Estimates of annual solvent consumption for the solvent cleaning machine.
[40 CFR §63.467 (b)(3)]
[County Rule 370]
- F. The Permittee shall monitor for compliance with the Operating Requirements of these Permit Conditions by conducting a visual inspection during a weekly walkaround and by recordkeeping of the results. During the weekly walkaround the Permittee shall check for and note:
- 1) the positions of the cover and whether the solvent cleaning machine is in use,
 - 2) whether the label of General Operating Requirements is in place and the operating instructions are being followed,
 - 3) whether containers of VOC containing materials and stored solvent are closed, labeled, and in accordance with the Operating Requirements of these Permit Conditions,
 - 4) evidence of solvent leaking from the solvent cleaning machine,
 - 5) if parts baskets or the parts being cleaned in the solvent cleaning machine occupy more than 50% of the solvent/air interface area then the rate at which

they are introduced into the solvent shall be monitored for and compared to the limit in Operating Requirements of these Permit Conditions,

- 6) if solvent is being sprayed in the vapor zone the condition of the vapor zone,
- 7) that there is a clear separation of the organic solvent and water in the water separator,
- 8) if comfort fans are being used near the solvent cleaning machine,
- 9) if solvent agitation is performed, is air agitation of the solvent bath being used, and
- 10) the freeboard refrigeration device and super heated vapor system data required to be monitored weekly by the Monitoring/Recordkeeping Requirements of these Permit Conditions.
- 11) visible emissions of all stacks and any other source of air pollution, and
- 12) any other sources of air pollution.

[40CFR §63.466]

[County Rule 210 §302.1 c.]

[County Rule 330] [locally enforceable only]

[County Rule 370]

[SIP Rule 34]

[SIP Rule 331]

- G. The Permittee shall maintain cleaning solvent records. The Permittee shall maintain a current list of solvents used in the degreaser including VOC content and their Material Safety Data Sheets (MSDS). The records shall include:

- 1) solvent purchase and disposal records,
- 2) amount and vapor pressure, and
- 3) dates and amounts of additions and deletions of solvent to the solvent cleaning machine.

Solvent usage (the sum of the amounts of additions and deletions) shall be totaled at the end of every month of operation and the Rolling Twelve Month Total shall also be logged.

The Permittee shall also maintain records of weekly walkaround inspections, and records of any maintenance conducted on all solvent cleaning machines on-site.

Monitoring and Recordkeeping of wipe cleaning solvent usage governed by County Rule 331 shall be in accordance with Section 500 of County Rule 331.

[County Rule 210 §302.1 c.]

[County Rule 331]

[SIP Rule 34]

[SIP Rule 331]

H. The Permittee shall maintain records of installation work orders/receipts that the following components have been installed:

- 1) the device required by the Operating Requirements of these Permit Conditions that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils,
- 2) the following safety switches required by these Permit Conditions:
 - a) condenser flow switch and thermostat which shuts off the sump heat if the condenser coolant is not circulating or the coolant temperature exceeds 85°F, and
 - b) the spray switch which shuts off the pump spray if the vapor level drops in excess of 4 inches,
- 3) the vapor level control that shuts off sump heat if the vapor level in the solvent cleaning machine rises above the height of the primary condenser,
- 4) the spray system (if applicable) demonstrating type and maximum pressure as allowed in these Permit Conditions,
- 5) the mechanism that tips or rotates parts to allow solvent draining from cavities or blind holes,
- 6) the interlock device that allows the sump heater to be turned on only after the primary condenser is turned on,
- 7) the interlock device that allows the primary condenser to be turned off only after the sump heater is turned off and the solvent vapor layer allowed to collapse, and
- 8) the exhaust ventilation in compliance with the 65 cfm per ft² of solvent cleaning machine opening or industrial safety requirements.

The records of installation work orders/receipts shall include the following:

- 9) component,
- 10) date of installation, and
- 11) check of the functionality of the component.

[County Rule 210 §302.1 c.]
[SIP Rule 34]
[SIP Rule 331]

- I. The Permittee shall monitor for compliance with opacity requirements by taking a visual reading of the stack emissions of each operating boiler and the drying oven once a week using EPA Reference Method 9 or EPA Reference Method 22.

When using EPA Reference Method 22, if emissions are visible from any of these units the Permittee shall obtain an opacity reading conducted in accordance with EPA Reference Method 9 by an individual who is certified at that time as meeting the training and testing requirements as set forth in the EPA Reference Method. This Method 9 reading will be taken within three (3) days of the visible emission.

If the problem is corrected before three days have passed, and no emissions are visible, the Permittee shall log in their records the event, date, time, conditions, and any corrective actions taken and shall not be required to conduct the certified reading. If a Method 9 reading is taken, the Permittee shall have subsequent Method 9 readings taken weekly, while the source is in operation, until:

- 1) no opacity is observed, or
- 2) the emission source shows by Method 9, opacity of less than 20% for four weekly readings in a row. The emission point shall then be tested by Method 9 monthly until no opacity is observed.

For the purposes of these Permit Conditions, a certified VE reader shall mean an individual who, at the time the reading is taken, is certified by the Arizona Department of Environmental Quality (ADEQ) or other qualified contractor, as meeting the training and testing requirements as specified in EPA reference Method 9.

[County Rule 300]
[SIP Rule 25]
[SIP Rule 30]

- J. The Permittee shall monitor for compliance with particulate matter emission requirements by taking a visual reading of the stack emissions of each operating boiler and the drying oven once a week using EPA Reference Method 9 or EPA Reference Method 22.

When using EPA Reference Method 22, if emissions are visible from any of these units the Permittee shall obtain an opacity reading conducted in accordance with EPA Reference Method 9 by an individual who is certified at that time as meeting the training and testing requirements as set forth in the EPA Reference Method. This Method 9 reading will be taken within three (3) days of the visible emission.

If the problem is corrected before three days have passed, and no emissions are visible, the Permittee shall log in their records the event, date, time, conditions, and any corrective actions taken and shall not be required to conduct the certified reading. If a Method 9 reading is taken, the Permittee shall:

- 1) have subsequent Method 9 readings taken weekly until no opacity is observed, or
- 2) the emission source is tested in accordance with these Permit Conditions to monitor for compliance with particulate matter limitations.

If the Permittee can then show, as described in the Testing Requirements of these Permit Conditions, that operating while emitting the tested opacity value (less than 20%), and its correlated tested PM10 emission rate, meets the PM10 emissions limits of these Permit Conditions, the Permittee may then use an alternate monitoring technique, for that source, to monitor for compliance with the PM10 emissions limits of these Permit Conditions. The alternate monitoring technique shall include:

- 3) The Permittee shall monitor for compliance with the PM10 emissions limits of these Permit Conditions by limiting the tested source to not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of the tested level of opacity.
- 4) The Permittee shall have subsequent method 9 readings taken monthly of the source until the alternate monitoring technique is no longer used to monitor for compliance with the PM10 emissions limits of these Permit Conditions.

[County Rule 311]
[SIP Rule 25]
[SIP Rule 311]

- K. The Permittee shall maintain records of all visible emission and opacity observations required by these Permit Conditions. The records shall contain the date, time, equipment number, operating condition, and a statement of whether visible emissions were observed from the unit during periodic visible emission and opacity readings as well as if any other visible emissions were being generated by

any other source or activity at the facility. If a reading is performed by a certified VE observer as required by these Permit Conditions the certified VE reader's findings shall then be logged in accordance with EPA Reference Method 9. In addition to the above parameters the name, affiliation, and certification expiration date of the certified VE reader shall be logged.

[County Rule 300]
[SIP Rule 30]

L. The Permittee shall maintain:

- 1) A current list of coatings, adhesives, makeup solvents, and any other VOC-containing materials used at the site; state the VOC content of each in pounds per gallon or grams per liter. VOC content shall be expressed less water and non-precursor compounds for materials which are not used for cleaning or cleanup.

[County Rule 330 § 503.1] [locally enforceable only]

- 2) Monthly records of the amount of each coating; adhesive; makeup solvent; solvent used for surface preparation, for cleanup, and for the removal of materials; and any other VOC-containing material used. Identify any materials subject to the emission limits in Section 301 or Section 302 and keep separate totals for these materials.

[County Rule 330 § 503.2] [locally enforceable only]

- 3) Records of the type, amount, and method of disposing of VOC-containing materials on each day of disposal.

[County Rule 330 § 503.4] [locally enforceable only]

- 4) Records of the disposal/recovery of such materials. Records of hazardous waste disposal shall be kept in accordance with hazardous waste disposal statutes.

[County Rule 330 § 306.3] [locally enforceable only]

M. The Permittee shall maintain a log of complaints of odors detected off-site. The log shall contain a description of the complaint, date and time that the complaint was received, and if given, name and/or phone number of the complainant. The log book shall describe what actions were performed to investigate the complaint, the results of the investigation, and any corrective actions that were taken.

[County Rule 210 § 302.1 c. (2)]

[County Rule 320]

[SIP Rule 32A]

N. In order to monitor for compliance with the fuel usage requirements of these Permit Conditions, the Permittee shall maintain a record of the monthly readouts of the dedicated natural gas flowmeter on the feed line to the site.

[County Rule 210 §302.1 c.]

- O. The Permittee shall monitor for compliance with the opacity requirements of these Permit Conditions for abrasive blasting by observations of visible emissions conducted in accordance with EPA Reference Method 9 each time the external blasting is performed.

[County Rule 210 § 302.1.c]

- P. If abrasive blasting occurs the Permittee shall keep records of the following:

- 1) The dates when abrasive blasting activities are conducted, the type of abrasive material used, the type of control measure used.
- 2) Monthly records of the type and amount of abrasive blasting media used.
- 3) Opacity reading during the blasting.

[County Rule 210 § 302.1.d]

- Q. The Permittee shall conduct recordkeeping of solvent wipe cleaning in accordance with County Rule 331.

[County Rule 331] [locally enforceable only]

- R. The Permittee shall keep a material list of all architectural coatings used. The material list shall contain the name of each coating, short description of the material, and the pounds of VOCs per gallon of coating, excluding water and colorant added to tint bases and amount and when used. If the coating is exempt from the volatile organic compounds content requirements, the justification for the determination shall be documented in the records.

[County Rule 210 § 302.1.d.]

- S. The Permittee shall conduct recordkeeping of spray coating with an aerosol can in accordance with County Rule 336.

[County Rule 336]
[SIP Rule 336]

- T. The Permittee shall maintain a record of the potential to emit calculations required by the Testing Requirements of these Permit Conditions for the life of the solvent cleaning machine.

[County Rule 210 §302.1 d.]
[County Rule 370]

21. REPORTING REQUIREMENTS

The following, Permit Conditions 21.A. through 21.F., shall be submitted to the Administrator at: US EPA, Region IX, 75 Hawthorne St, San Francisco, CA 94105:

- A. The Permittee shall submit an initial notification report to the Administrator. New sources for which the construction or reconstruction commenced after December 2, 1994, shall submit this report as soon as practicable before the construction or reconstruction is planned to commence. This report shall include all of the information required in 40 CFR §63.5(d)(1) of subpart A (General Provisions), with the following revisions and additions:
- 1) The report shall include a brief description of the solvent cleaning machine including machine type (batch vapor, batch cold, vapor in-line, or cold-line), solvent/air interface area, and existing controls.
 - 2) The report shall include the anticipated compliance approach for the solvent cleaning machine.
 - 3) In lieu of 40 CFR §63.5(d)(1)(ii)(H) of subpart A, the Permittee must report an estimate of annual halogenated HAP solvent consumption for the solvent cleaning machine.
- [40 CFR §63.468 (b)]
[County Rule 370]
- B. For all reporting requirements in these Permit Conditions where reports are required to be submitted to the Administrator, the Permittee shall also submit a copy of each in accordance with the specified time frames to Maricopa County Environmental Services Department, Air Quality Division (Division), Attn.: Air Quality Major Source Inspection Unit Manager, unless otherwise directed.
- [County Rule 210 §302.1 e.]
[County Rule 370]
- C. The Permittee shall submit an exceedance report covering the solvent cleaning machine to the Administrator semiannually except when the Administrator determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under 40 CFR §63.468 (i) and the Permit Condition immediately following this Permit Condition, is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the following applicable information:
- 1) Information on the actions taken to comply with Sec. 63.463 (e)., the freeboard refrigeration device temperature and the superheated vapor zone temperature Operating Requirements of these Permit Conditions. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional

monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

- 2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.
- 3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

[40 CFR §63.463 (e)(3)]
[40 CFR §63.468 (h)]
[County Rule 370]

D. A Permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:

- 1) The source has demonstrated a full year of compliance without an exceedance.
- 2) The Permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in subpart A (General Provisions) and in 40 CFR §63.460-469 (Subpart T).
- 3) The Administrator does not object to a reduced frequency of reporting for the affected source as provided in paragraph (e)(3)(iii) of subpart A (General Provisions).

[40 CFR §63.468 (i)]
[County Rule 370]

E. The Permittee of the solvent cleaning machine complying with the provisions of 40 CFR Sec. 63.463 shall submit to the Administrator an initial statement of compliance for the solvent cleaning machine. This report shall be submitted to the Administrator no later than 150 days after startup. This statement shall include the following requirements:

- 1) The name and address of the Permittee,
- 2) The address (i.e., physical location) of the solvent cleaning machine,
- 3) A list of the control equipment used to achieve compliance for the solvent cleaning machine,

- 4) For each piece of control equipment required to be monitored, a list of the parameters that are monitored and the values of these parameters measured on or during the first month after the compliance date.

[40 CFR §63.468 (d)]
[County Rule 370]

- F. The Permittee of the solvent cleaning machine complying with the provisions of 40 CFR Sec. 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the following requirements:

- 1) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in Sec. 63.463(d)(10)".
- 2) An estimate of solvent consumption for the solvent cleaning machine during the reporting period.

[40 CFR §63.468 (f)]
[County Rule 370]

- G. County Six-Month Summary Requirements

The County Six-Month Summary required by these Permit Conditions shall be submitted to the Maricopa County Environmental Services Department, Air Quality Division, Attn.: Air Quality Major Source Inspection Unit Manager, unless otherwise directed.

The Permittee shall submit a summary of records to the County every six months. The six-month summary shall be submitted by the 30th day following the end of each calendar half.

[County Rule 210 §302.1e(1)]
[County Rule 210 §305.1c(1)]

Specific elements that will be summarized, and the information to be reported are as follows:

- 1) Solvent Cleaning Machine: The Permittee shall submit:
 - a) a copy of the logs of the walkaround inspections which show any deviations from compliance with these Permit Conditions.
 - b) the rolling twelve month total solvent usage calculated each month for the reporting period.

[SIP Rule 34]

[SIP Rule 331]
[County Rule 210 §302.1e(1)]
[County Rule 370]

- 2) The Permittee may include in the six-month summary report any copies of 40CFR Part 63 Subpart T Reporting Requirements required by these Permit Conditions due at the same time as the six-month summary.
[County Rule 210 §302.1e(1)]
[County Rule 370]

- 3) Opacity: If no visible emissions were observed during the six month period addressed by the Six-Month summary, the Permittee shall make a statement to that effect, and include:

- a) a list of equipment checked and found to have no visible emissions
- b) the schedule used to check for visible emissions.

If visible emissions were observed during the six month period addressed by the Six-Month summary, the Permittee shall:

- c) report the date and source of the visible emissions
- d) if the emission source was corrected within 3 days so that no Method 9 reading was required, a statement to that effect as well as a description of the actions taken to eliminate visible emissions
- e) if a Method 9 opacity reading was required, the results of the readings shall be filed using a Department approved data sheet.

[County Rule 300]
[County Rule 311]
[SIP Rule 30]
[SIP Rule 311]

- 4) Fuel Usage: The Permittee shall report total fuel usage and type used for the reporting period.
[County Rule 210 § 302.1.e.(1)]

- 5) The Permittee shall submit a summary of the monthly records of the amount of each coating, adhesive, solvents and any other VOC-containing materials used.
[County Rule 210 § 302.1.e.(1)]
[County Rule 330]

- 6) VOC's and Solvent Cleaning: The Permittee shall submit a copy of the logs of the walkaround inspections which show any deviations from compliance with these Permit Conditions.

[County Rule 330]
[County Rule 331]
[County Rule 370]
[SIP Rule 34]
[SIP Rule 331]

- 7) Architectural Coatings: A statement of whether all of the architectural coatings used during the reporting period met the VOC content requirements of these Permit Conditions. If any coatings were exempt from meeting the VOC requirements, provide a list of the exempt coatings and the justification for their exemption.

[County Rule 210 § 302.1.e.]
[County Rule 335]

- 8) Abrasive Blasting: A summary of the opacity readings during blasting, control measures utilized for abrasive blasting and dates on which external blasting was performed.

[County Rule 210 § 302.1.e.(1)]
[County Rule 312]

- 9) Odor Control:

- a) a copy of the log of complaints of off-site odors or air pollution, and
b) the results of investigations performed in response to odor or air pollution complaints and any corrective actions taken.

[County Rule 210 § 302.1.e.(1)]
[County Rule 320]
[SIP Rule 32A]

22. TESTING REQUIREMENTS

- A. The Permittee shall determine their potential to emit from the solvent cleaning machine, using the procedures described below. A facility's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility. Determine the potential to emit for each individual solvent cleaning using the following equation:

$$PTE_i = H_i \times W_i \times SAI_i$$

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

H_i = 8760 hours per year, unless otherwise restricted by a Federally enforceable requirement.

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).

W_i = 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). Section 63.461 defines the solvent/air interface area for those machines that have a solvent/air interface. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the procedure in paragraph (e)(2) of 40 CFR §63.465.

[40 CFR §63.465 (e)]

[County Rule 370]

- B. Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility. A record of the PTE_i calculation shall be maintained on site in accordance with the Monitoring/Recordkeeping requirements of these Permit Conditions.

[40 CFR §63.465]

[County Rule 370]

- C. Architectural Coatings: If required by the Control Officer testing procedures to determine compliance with prescribed VOC limits shall be consistent with Reference Methods 24 and 24A in the Arizona Testing Manual for Air Pollutant Emissions.

[County Rule 335 § 500]

[SIP Rule 335 § 500]

**Appendix A
Equipment List
Super Radiator Coils
2610 S. 21st St., Phoenix, AZ 85034
Title V Permit #V99-012
December 9, 1999**

- 1 - Finishing Equipment, Inc. Batch Vapor Degreaser Model #1DO-SP, 3910 gallons, 116.3 ft² air/vapor interface.
- 1 - 1.5 million BTU/hr boiler, natural gas fired.
- 1 - 1.375 million BTU/hr boiler, natural gas fired.
- 1 - 0.75 million BTU/hr drying oven, natural gas fired.

Appendix B
Subpart T--Test of Solvent Cleaning Procedures
Super Radiator Coils
2610 S. 21st Street, Phoenix, AZ 85034
Title V Permit #V99-012
December 9, 1999

General Questions

- _____ 1. What is the maximum allowable speed for parts entry and removal?
- A. 8.5 meters per minute (28 feet per minute).
 - B. 3.4 meters per minute (11 feet per minute).
 - C. 11 meters per minute (36 feet per minute).
 - D. No limit.
- _____ 2. How do you ensure that parts enter and exit the solvent cleaning machine at the speed required in the regulation?
- A. Program on computerized hoist monitors speed.
 - B. Can judge the speed by looking at it.
 - C. Measure the time it takes the parts to travel a measured distance.
- _____ 3. Identify the sources of air disturbances.
- A. Fans
 - B. Open doors
 - C. Open windows
 - D. Ventilation vents
 - E. All of the above
- _____ 4. What are the three operating modes?
- A. Idling, working and downtime
 - B. Precleaning, cleaning, and drying
 - C. Startup, shutdown, off
 - D. None of the above
- _____ 5. When can parts or parts baskets be removed from the solvent cleaning machine?
- A. When they are clean
 - B. At any time
 - C. When dripping stops
 - D. Either A or C is correct

_____ 6. How must parts be oriented during cleaning?

- A. It does not matter as long as they fit in the parts basket.
- B. So that the solvent pools in the cavities where the dirt is concentrated.
- C. So that solvent drains from them freely.

_____ 7. During startup, what must be turned on first, the primary condenser or the sump heater?

- A. Primary condenser
- B. Sump heater
- C. Turn both on at same time
- D. Either A or B is correct

_____ 8. During shutdown, what must be turned off first, the primary condenser or the sump heater?

- A. Primary condenser
- B. Sump heater
- C. Turn both off at same time
- D. Either A or B is correct

_____ 9. In what manner must solvent be added to and removed from the solvent cleaning machine?

- A. With leak proof couplings
- B. With the end of the pipe in the solvent sump below the liquid solvent surface.
- C. So long as the solvent does not spill, the method does not matter.
- D. A and B

_____ 10. What must be done with waste solvent and still and sump bottoms?

- A. Pour down the drain
- B. Store in closed container
- C. Store in a bucket
- D. A or B

_____ 11. What types of materials are prohibited from being cleaned in solvent cleaning machines using halogenated HAP solvents?

- A. Sponges
- B. Fabrics
- C. Paper
- D. All of the above

Control Device Specific Questions

☐ Freeboard Refrigeration Device

_____ 1. What temperature must the FRD achieve?

- A. Below room temperature
- B. 50 deg.F
- C. Below the solvent boiling point
- D. 30 percent below the solvent boiling point

☐ Working-Mode Cover

_____ 2. When can a cover be open?

- A. While parts are in the cleaning machine
- B. During parts entry and removal
- C. During maintenance
- D. During measurements for compliance purposes
- E. A and C
- F. B, C, and D

_____ 3. Covers must be maintained in what condition?

- A. Free of holes
- B. Free of cracks
- C. So that they completely seal cleaner opening
- D. All of the above

☐ Dwell

_____ 4. Where must the parts be held for the appropriate dwell time?

- A. In the vapor zone
- B. In the freeboard area above the vapor zone
- C. Above the cleaning machine
- D. In the immersion sump

Answers

General Questions

1. B
2. A or C
3. E
4. A
5. C
6. C
7. A
8. B
9. D
10. B
11. D

Control Device Specific Questions

1. D
2. F
3. D
4. B

[59 FR 61818, Dec. 2, 1994; 60 FR 29485, June 5, 1995]

Appendix C
Subpart T--General Provisions Applicability to Subpart T
Super Radiator Coils
2610 S. 21st Street, Phoenix, AZ 85034
Title V Permit #V99-012
December 9, 1999

Appendix B to **Subpart T**--General Provisions Applicability to **Subpart T**

Reference	Applies to subpart T		Comments
	BCC	BVI	
63.1(a) (1)-(3).....	Yes.....	Yes.....	Subpart T (this appendix) specifies applicability of each paragraph in subpart A to subpart T .
63.1(a)(4).....	Yes.....	Yes.....	
63.1(a)(5).....	No.....	No.....	
63.1(a) (6)-(8).....	Yes.....	Yes.....	Subpart T allows submittal of notifications and reports through the U.S. mail, fax, and courier. Subpart T requires that the postmark for notifications and reports submitted through the U.S. mail or other non-Governmental mail carriers be on or before deadline requirement.
63.1(a)(9).....	No.....	No.....	
63.1(a)(10).....	Yes.....	Yes.....	
63.1(a)(11).....	No.....	No.....	
63.1(a) (12)-(14).....	Yes.....	Yes.....	
63.1(b)(1).....	No.....	No.....	Subpart T specifies applicability.
63.1(b)(2).....	No.....	Yes.....	Subpart T requires that a record of halogenated cleaning machine applicability
63.1(b)(3).....	No.....	No.....	
BCC = Batch Cold Cleaning Machines			
BVI = Batch Vapor and In-line Cleaning Machines			

Reference	Applies to subpart T		Comments
	BCC	BVI	
			determination be kept on site for 5 years, or until the cleaning machine changes its operations. The record shall be sufficiently detailed to allow the Administrator to make a finding about the source's applicability status with regard to subpart T .
63.1(c)(1).....	Yes.....	Yes.....	Subpart T , Sec. 63.46(8)(h), indicates a Title V permit exemption for halogenated HAP batch cold solvent cleaning machines that are not major sources and not located at a major source. This section also specifies a deferral from the requirement of a Title V permit for owners or operators of solvent cleaning machines subject to Subpart T provisions, other than halogenated HAP batch cold solvent cleaning machines, that are not major sources, and not located at a major source.
63.1(c)(2).....	Yes.....	Yes.....	
63.1(c)(3).....	No.....	No.....	Subpart T does not require continuous monitoring systems (CMS) or continuous opacity monitoring systems. Therefore, notifications and requirements for CMS and COMS specified in Subpart A do not apply to Subpart T .
63.1(c)(4).....	Yes.....	Yes.....	
63.1(c)(5).....	Yes.....	Yes.....	
63.1(d).....	No.....	No.....	

Reference	Applies to subpart T		Comments
	BCC	BVI	
63.1(e).....	No.....	Yes.....	Subpart T definitions (Sec. 63.461) for existing and new overlap with the definitions for existing source and new source in Subpart A (Sec. 63.2). Both Subpart A and T also define Administrator.
63.2.....	Yes.....	Yes.....	
63.3(a)-(c).....	Yes.....	Yes.....	
63.4(a) (1)-(3).....	Yes.....	Yes.....	Subpart T overrides the requirement for approval prior to constructing a new or reconstructing an existing major source.
63.4(a)(4).....	No.....	No.....	
63.4(a)(5).....	Yes.....	Yes.....	
63.4(b)-(c).....	Yes.....	Yes.....	
63.5(a)(1).....	Yes.....	Yes.....	
63.5(a)(2).....	Yes.....	Yes.....	
63.5(b)(1).....	Yes.....	Yes.....	
63.5(b)(2).....	No.....	No.....	
63.5(b)(3).....	No.....	No.....	
63.5(b)(4)-(6).....	Yes.....	Yes.....	
63.5(c).....	No.....	No.....	Subpart T overrides the requirement to submit an application for approval of construction or reconstruction of a halogenated solvent cleaning machine.
63.5 (d)-(f).....	No.....	No.....	
63.6(a).....	Yes.....	Yes.....	Subpart T , Sec. 63.460, specifies compliance dates.
63.6(b) (1)-(5).....	Yes.....	Yes.....	
63.6(b)(6).....	No.....	No.....	Subpart T has the same requirements for affected halogenated HAP solvent cleaning machine
63.6(b)(7).....	No.....	No.....	

Reference	Applies to subpart T		Comments
	BCC	BVI	
63.6(c)(1)-(2).....	Yes.....	Yes.....	subcategories that are located at area sources as it does for those located at major sources. Subpart T allows 3 years from the date of promulgation for both area and major existing sources to comply.
63.6(c) (3)-(4).....	No.....	No.....	Subpart T has the same requirements for affected halogenated HAP solvent cleaning machine subcategories that are located at area sources as it does for those located at major sources. Subpart T allows 3 years from the date of promulgation for both area and major existing sources to comply.
63.6(c)(5).....	Yes.....	Yes.....	
63.6(d).....	No.....	No.....	Subpart T overrides the requirement of a startup, shutdown, and malfunction plan. Subpart T specifies startup and shutdown procedures to be followed by an owner or operator for batch vapor and in-line cleaning machines.
63.6(e)(1)-(2).....	Yes.....	Yes.....	
63.6(e)(3).....	No.....	No.....	
63.6(f)-(g).....	Yes.....	Yes.....	Subpart T does not require compliance with an opacity or visible emission standard.
63.6(h).....	No.....	No.....	
63.6(i) (1)-(14).....	Yes.....	Yes.....	
63.6(i)(15).....	No.....	No.....	
63.6(i)(16).....	Yes.....	Yes.....	

Reference	Applies to subpart T		Comments
	BCC	BVI	
63.6(j).....	Yes.....	Yes.....	Subpart T gives owners or operators the option to perform an idling emission performance test as a way of demonstrating compliance. Other options are also available that do not require performance test.
63.7(a).....	No.....	Yes.....	
63.7(b).....	No.....	Yes.....	This is only required for those owners or operators that choose the idling emission standard as their compliance option.
63.7(c)(1).....	No.....	Yes.....	This is only required for those owners or operators that choose the idling emission standard as their compliance option.
63.7(c) (2)-(3).....	No.....	No.....	Subpart T does not require a site-specific test plan for the idling emission performance test.
63.7(c)(4).....	No.....	No.....	Subpart T does not require a performance test that involves the retrieval of gas samples, and therefore this does not apply.
63.7(d).....	No.....	No.....	Requirements do not apply to the idling emission performance test option.
63.7(e).....	No.....	Yes.....	Subpart T specifies what is required to demonstrate idling emission standard compliance through the use of the Environmental Protection Agency test method 307 and
63.7(f).....	No.....	Yes.....	
63.7(g).....	No.....	Yes.....	

Reference	Applies to subpart T		Comments
	BCC	BVI	
63.7(h).....	No.....	No.....	control device monitoring. Reports and records of testing and monitoring are required for compliance verification. Three runs of the test are required for compliance, as specified in Sec. 63.7(e) of Subpart A . Subpart T does not require the use of a performance test to comply with the standard. The idling emission standard option (which requires an idling emission performance test) is an alternative option offered to owners or operators of batch vapor and in-line cleaning machines for compliance flexibility.
63.8 (a)-(b).....	Yes.....	Yes.....	Subpart T does not require the use of continuous monitoring systems to demonstrate compliance.
63.8 (c)-(e).....	No.....	No.....	
63.8(f).....	Yes.....	Yes.....	Subpart T does not require continuous opacity monitoring systems and continuous monitoring systems data.
63.8(g).....	No.....	No.....	
63.9(a) (1)-(4).....	Yes.....	Yes.....	Subpart T includes all of those requirements stated in Subpart A , except that Subpart A also requires a statement as to whether the affected source is a major or an area source, and an
63.9(b)(1).....	Yes.....	Yes.....	
63.9(b)(2).....	Yes.....	Yes.....	

Reference	Applies to subpart T		Comments
	BCC	BVI	
			identification of the relevant standard (including the source's compliance date). Subpart T also has some more specific information requirements specific to the affected source (see Subpart T , Secs. 63.468(a)-(b)).
63.9(b)(3).....	Yes.....	Yes.....	The Subpart A and Subpart T initial notification reports differ (see above).
63.9(b)(4).....	No.....	No.....	Subpart T does not require an application for approval of construction or reconstruction.
63.9(b)(5).....	Yes.....	Yes.....	
63.9(c).....	Yes.....	Yes.....	
63.9(d).....	Yes.....	Yes.....	
63.9(e).....	Yes.....	Yes.....	Under Subpart T , this requirement only applies to owners or operators choosing to comply with the idling emissions standard.
63.9(f).....	No.....	No.....	Subpart T does not require opacity or visible emission observations.
63.9(g)(1).....	No.....	No.....	Subpart T does not require the use of continuous monitoring systems or continuous opacity monitoring systems.
63.9(h).....	No.....	No.....	Section 63.468 of Subpart T requires an initial statement of compliance for existing sources to be submitted to the Administrator no later than 150 days after the compliance date specified in Sec. 63.460(d) of Subpart T .

Reference	Applies to subpart T		Comments
	BCC	BVI	
			For new sources, this report is to be submitted to the Administrator no later than 150 days from the date specified in Sec. 63.460(c).
63.9(i).....	Yes.....	Yes.....	
63.9(j).....	Yes.....	Yes.....	
63.10(a).....	Yes.....	Yes.....	
63.10(b).....	No.....	No.....	Recordkeeping requirements are specified in Subpart T .
63.10(c) (1)-(15).....	No.....	No.....	Subpart T does not require continuous monitoring systems.
63.10(d)(1).....	Yes.....	Yes.....	
63.10(d)(2).....	No.....	No.....	Reporting requirements are specified in Subpart T .
63.10(e) (1)-(2).....	No.....	No.....	Subpart T does not require continuous emissions monitoring systems.
63.10(e)(3).....	No.....	No.....	Subpart T does not require continuous monitoring systems.
63.10(e)(4).....	No.....	No.....	Subpart T does not require continuous opacity monitoring systems.
63.10(f).....	Yes.....	Yes.....	
63.11(a).....	Yes.....	Yes.....	
63.11(b).....	No.....	No.....	Flares are not a control option under Subpart T .
63.12 (a)-(c).....	Yes.....	Yes.....	
63.13 (a)-(c).....	Yes.....	Yes.....	
63.14.....	No.....	No.....	Subpart T requirements do not require the use of the test methods incorporated by reference in Subpart A .
63.15(a)-(b).....	Yes.....	Yes.....	

[59 FR 61818, Dec. 2, 1994; 60 FR 29485, June 5, 1995]

**Engineering Evaluation
Notes
Super Radiator Coils
2610 S. 21st. St., Phoenix, AZ 85034
Title V Permit #V99-012
December 9, 1999**

This engineering evaluation is arranged following the sections of the permit. Any section or condition of the permit not addressed here, needs no special explanation or note other than the permit condition itself and its cited rule(s).

18. EMISSIONS LIMITATIONS

A. Allowable Emissions

Perchloroethylene emissions are based on an emission factor in 40 CFR §63.465 (e)(1) for uncontrolled sources. MACT floor is 60% control so the uncontrolled emissions are factored down for this control efficiency.

The following table is for public informational purposes and does not constitute an emission limit:

concentration in units of:	AAAQG μg/m ³			Screen 3 μg/m ³		
	1-hr	24-hr	annual	1-hr	24-hr	annual
Tetrachloroethylene: at fenceline, 75 ft.	11,000	770	2.1	4,412	1,397	201

Criteria pollutant emissions are PTE for fuel burning equipment using natural gas.

19. OPERATING REQUIREMENTS

- W. The Permittee constructs shipping crates for their radiator coils on-site. Horsepower of the equipment is deminimus and no surface coating is conducted on the wood. Woodworking equipment is vented indoors, to portable dust collectors.